

Receiving Report

Date: 12/10/11
 Supplier: TW METAL

Batch No: M/2 3289
 Dart P/O: 18062

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection OK 12/10/11 N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 12/10/11
 Date [Signature]
 Received/Costing [Signature]
 Initial [Signature]

Location

Page 1 of 1

All amounts are calculated in domestic currency.

Grouped by Vendor ID

[illegible]

ORDER NO.: 60485354 FROM: CRAN PAGE 1

T NUMBER: 1203820 **NET WGT:** 69.713 REQ.DATE: 10/10/12 CONFIRMED
D TO: SHIP TO:
T AEROSPACE LTD DART AEROSPACE LTD
0 ABERDEEN ST 1270 ABERDEEN ST
KESBURY ON HAWKSURRY ON
ADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

ESPERSON: DONNA SMALLEY DISTRICT: CRANBURY
MS: NET 30 DAYS VIA: COMMON CARRIER
.B.: SHIPPING POINT FREIGHT: PREPAID
T ORD NO.: PO18062 RELEASE NO.:
RECEIVING PHONE:

E ITEM DESCRIPTION WIDTH LENGTH

1 41723 D6061-T6 5/16 OD X .058 WA 12 FT ML
QTY: 300.000 FT WT: 16.380 PC: 25 SHP: 300.000 FT

T#: M6061T6T0.3125W.058

1 TEST REPORTS REQUIRED **

1 CERTS REQUIRED **

N: EAR99 Export License: NLR Expiration Date: 0/00/00
49271456 HT:551538 PC: 25 SLB/CL:336068
:UNITED STATES MFG:UNITED STATES

2 44129 D6061-T6 1-1/2 OD X .125 WA 12 FT ML
QTY: 80.000 FT WT: 53.333 PC: 7 SHP: 84.000 FT

T#: M6061T6T1.500W.125

1 TEST REPORTS REQUIRED **

1 CERTS REQUIRED **

N: EAR99 Export License: NLR Expiration Date: 0/00/00
49265477 HT:F000135740001 PC: 2 SLB/CL:209066
:UNITED STATES MFG:UNITED STATES
49280541 HT:16222372 PC: 5 SLB/CL:1000333567
: MFG:UNITED STATES

Ref 11

PACK INFO				
A	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH LENGTH HGHT
	REDDICRATE	1.000	93.000	12.6000
		1.000	93.000	

RA
000- UNLOAD TYPE: NONE SPECIFIED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE
OF THESE PRODUCTS ARE SET FORTH ON THE
REVERSE SIDE FOR YOUR CAREFUL REVIEW.

ORDER NO.: 60485354
FROM: CRAN
PAGE 2
T NUMBER: 1203820 NET WGT:
D TO:
T AEROSPACE LTD
0 ABERDEEN ST
KESBURY ON
ADA
CN K6A 1K7
ESPERSON: DONNA SMALLEY
MS: NET 30 DAYS
.B.: SHIPPING POINT
T ORD NO.: PO18062
E ITEM DESCRIPTION
69.713 REQ.DATE: 10/10/12 CONFIRMED
SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKS BURY ON
ONTARIO CANADA
CN K6A 1K7
DISTRICT:
CRANBURY
VIA:
COMMON CARRIER
FREIGHT:
PREPAID
RELEASE NO.:
RECEIVING PHONE:
WIDTH
LENGTH
DATE SHIPPED _____
DATE FILLED _____
THANK YOU FOR THIS ORDER
**TERMS AND CONDITIONS APPLICABLE TO THE SALE
OF THESE PRODUCTS ARE SET FORTH ON THE
REVERSE SIDE FOR YOUR CAREFUL REVIEW.**

ORDER NO.: 60485354

FROM: CRAN

PAGE 3

T NUMBER: 1203820 NET WGT:

69.713 REQ.DATE: 10/10/12 CONFIRMED

D TO:

SHIP TO:

T AEROSPACE LTD

DART AEROSPACE LTD

0 ABERDEEN ST

1270 ABERDEEN ST

KESBURY ON

HAWKS BURY ON

ADA

CN K6A 1K7

ONTARIO CANADA

CN K6A 1K7

ESPERSON: DONNA SMALLEY

DISTRICT: CRANBURY

MS: NET 30 DAYS

27 ENGLEHARD DRIVE

.B.: SHIPPING POINT

MONROE TWP

NJ 08831

T ORD NO.: PO18062

: COMMON CARRIER

IGHT: PREPAID

EASE NO.:

EIVING PHONE:

Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics data and the TW Metals MSDS's heading. If you do not have web site access may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, expected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe. China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material."

Electronically Generated Certificate-Valid without signature Date: 10/09/12

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Version contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49265477-1 ✓		CUSTOMER PART NUMBER: 44129		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 209066	LINE ITEM: 001	SHIP DATE: 12/02/2011	KAISER LOT NUMBER: F00013574	ALLOY: 6061 ✓	TEMPER: T6 ✓
WEIGHT SHIPPED: 1174.000 LB	QUANTITY: 154.000 PCS	B/L NUMBER: 209596	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT ✓
SHIP TO: TW METALS INC 2211 TUBEWAY AVE LOS ANGELES, CA 90040 USA			SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		

Actual Physical Properties

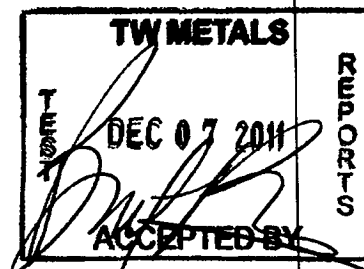
REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00013574	0001	1	46.0	43.4	18.5	N/A	N/A	N/A
F00013574	0002	1	46.4 ✓	43.7 ✓	17.5 ✓	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D69815	.65 ✓	.35 ✓	.22 ✓	.06 ✓	.97 ✓	.08 ✓	.06 ✓	.02 ✓	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 1.500"; Wall: 0.125"; Round @
AMS-4082P ✓ AMS-WW-T-700/6B ✓ ASTM-B210-04 ✓ WW-T-700/6F ✓
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.
THE FOLLOWING SPECIFICATIONS HAVE BEEN MADE INACTIVE OR
CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,
WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, and WW-T-700/7B.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

DA 14 12/10/11

Plant Serial: 00012369
Kaiser Order Number: 209066
Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

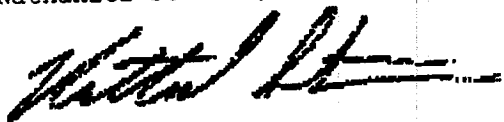
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Nathaniel Stevens, Quality Manager



Control No: 153257



Precision Tube Company

A Mueller Industries Company

287 Wissahickon Avenue

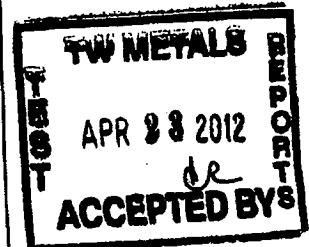
North Wales, Pennsylvania 19454

Phone: (215) 699-5801 - Fax: (215) 699-0761

Quality Management System Registered to ISO 9001: 2008
CERTIFICATION AND TEST REPORTS

49271456 LINE 001		338068	24A031250580005
SOLD TO	TW METALS SUITE 204 760 CONSTITUTION DR. EXTON, PA 19341		SHIP TO TW METALS - CAROL STREAM 235 TUBEWAY CAROL STREAM, IL 60188

3,000 FT	METAL - 6061 ALUM TEMPER - T6 SPEC - AMS 4082P ASTM-B-210-04 AMS-WW-T-700/6B LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3125 +.0030 -.0030 ID WALL .0580 +.0040 -.0040	3,300 FT	04/17/12
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SAMPLE #	TENSILE STRENGTH (P.S.I.)	YIELD STRENGTH (P.S.I.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
1	44,893	39,240	20		

EXPANSION TEST:

MERCURIOUS NITRATE TEST:

MICRO EXAMINATION:

FLATTENING TEST:

FLARE TEST:

Country of Melt: USA Country of Mfg: USA FAR BAA ☒ Complies ☐ Cannot Certify Compliance
DFARS BAA ☒ Complies ☐ Cannot Certify Compliance FAR TAA ☒ Complies ☐ Cannot Certify Compliance

EDDY CURRENT TEST: PASS

HYDROSTATIC PRESSURE TEST:

ULTRASONIC TEST:

ALLOY: 6061	HEAT:	TRACEABILITY #: 551538
		RAW MATL VEND: pt19907 - Kaiser Aluminum
		Other - Elements Al
		Each Tot. Rem.
MIN.	Si 0.40 Fe 0.70 Cu 0.15 Mn 0.15 Mg 0.80	Cr 0.04 Zn 0.25 Ti 0.15
MAX.	0.80 0.70 0.40 0.15 1.20	0.35 0.05 0.15

We hereby certify that the foregoing results are correct, that the material complies with the requirements of the above specifications and purchase order and that the test reports represent the actual attributes of the items furnished on this order. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employed a single boundary containment.

BY: Art Onaitis

04/17/12

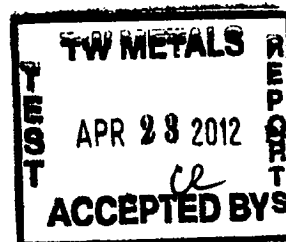
DAS
14
2-89

12/10/12

W

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
2425 STEVENS DRIVE
RICHLAND, WA 99352

KAISER ALUMINUM
MATERIAL CERTIFICATION
PRECISION TUBE CO
287 WISSAHICKON AVENUE
N. WALES, PA 19454



PRECISION TUBE CO
N. WALES
SOLD TO

PA 19454 PT19907
PURCHASE ORDER

03/09/12
DATE PRINTED

SOLD TO

PURCHASE ORDER

DATE PRINTED

SPIRIT-371850

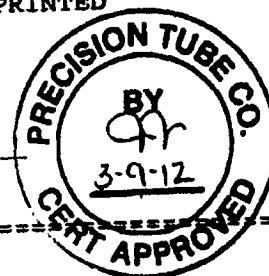
CUSTOMER PART NUMBER

5.400 LB/PC .500 LB/-0 LB
1.312 OD X .085 WALL ESRT
DESCRIPTION

313609-001
RELEASE-ITEM

50751 200
LOT

6061-0
ALLOY/TEMPER



MECHANICAL PROPERTY RESULTS

REFERENCE	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong	in 2"	HARDNESS	CONDUCT.	BEND
50751 200	0001 001	17.2	5.1		28.0	NA N/A	N/A	N/A
50751 200	0001 002	17.2	5.2		27.7	NA N/A	N/A	N/A
50751 200	0001 003	17.2	5.2		27.7	NA N/A	N/A	N/A
50751 200	0001 004	17.3	5.0		27.0	NA N/A	N/A	N/A
50751 200	0001 005	18.0	5.5		26.7	NA N/A	N/A	N/A
50751 200	0001 006	17.2	10.7		27.0	NA N/A	N/A	N/A
50751 200	0001 007	17.2	6.1		27.1	NA N/A	N/A	N/A
50751 200	0001 008	17.2	4.9		28.0	NA N/A	N/A	N/A
50751 200	0001 009	17.7	5.3		26.9	NA N/A	N/A	N/A
50751 200	0001 010	17.1	5.3		26.8	NA N/A	N/A	N/A
50751 200	0001 011	17.2	5.1		27.8	NA N/A	N/A	N/A
50751 200	0001 012	17.0	5.1		28.9	NA N/A	N/A	N/A
50751 200	0001 013	17.1	5.4		28.0	NA N/A	N/A	N/A
50751 200	0001 014	17.1	5.0		28.8	NA N/A	N/A	N/A
50751 200	0001 015	17.2	5.5		26.2	NA N/A	N/A	N/A
50751 200	0001 016	16.8	5.2		28.3	NA N/A	N/A	N/A
50751 200	0001 017	16.8	5.0		28.3	NA N/A	N/A	N/A

Applicable Requirements:

ASTM-B241-10
ASTM-B221-08
ASTM-B345-11
AMS-QQ-A-200/8 TYPE 1
UNS#96061
Also conforms to EN 10204 3.1

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file, subject to examination.

Domestic Melt Source

Ron Walls
General Manager

Ron Walls

W

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
2425 STEVENS DRIVE
RICHLAND, WA 99352

KAISER ALUMINUM
MATERIAL CERTIFICATION
PRECISION TUBE CO
287 WISSAHICKON AVENUE
N. WALES, PA 19454



PRECISION TUBE CO
N. WALES
SOLD TO

PA 19454 PT19907
PURCHASE ORDER

03/09/12
DATE PRINTED

SOLD TO

PURCHASE ORDER

DATE PRINTED

SPIRIT-371850

5.400 LB/PC .500 LB/-0 LB
1.312 OD X .085 WALL ESRT

CUSTOMER PART NUMBER

DESCRIPTION

313609-001

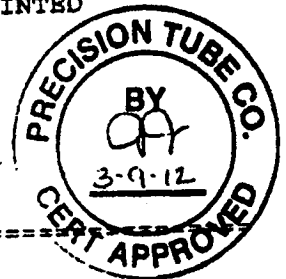
RELEASE-ITEM

50751 200

LOT

6061-0

ALLOY/TEMPER



MECHANICAL PROPERTY RESULTS

REFERENCE	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong	in 2"	HARDNESS	CONDUCT.	BEND
50751 200	0001 018	16.8	5.2	25.6	NA	N/A	N/A	N/A
50751 200	0001 019	16.6	5.2	29.5	NA	N/A	N/A	N/A
50751 200	0001 020	16.6	5.2	26.4	NA	N/A	N/A	N/A
50751 200	0001 021	17.1	5.4	28.4	NA	N/A	N/A	N/A
50751 200	0001 022	16.7	4.6	27.9	NA	N/A	N/A	N/A
50751 200	0001 023	16.8	4.5	28.4	NA	N/A	N/A	N/A

CHEMICAL COMPOSITION (WT%), ALUMINUM REMAINDER

6061 LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot	Others
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	.15	
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	.0	

Cast No	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot	Others
F69960 01	.60	.35	.24	.05	1.01	.10	.05	.02	.00	.00	.00	.01	.01	
F69959 01	.58	.32	.22	.06	1.01	.09	.05	.02	.00	.00	.00	.01	.02	
F70016 01	.58	.32	.21	.05	.96	.09	.06	.02	.00	.01	.00	.01	.02	
F69818 01	.59	.26	.23	.06	.98	.05	.05	.02	.00	.00	.00	.01	.02	

Applicable Requirements:

ASTM-B241-10
ASTM-B221-08
ASTM-B345-11
AMS-QQ-A-200/8 TYPE 1
UNS#96061
Also conforms to EN 10204 3.1

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file, subject to examination.

Domestic Melt Source

Ron Walls
General Manager

Ron Walls

c



Alcoa Forgings and Extrusions
Lafayette Operations
3131 East Main Street
Lafayette, IN
47905-7500

Alcoa, Inc.

Invoice To Customer

TW METALS INC.
THE ARBORETUM SUITE 204
760 CONSTITUTION DR

EXTON, PA - 19341

Ship To Customer

TW METALS INC.
27 ENGLEHARD DR

MONROE, NJ - 08831

Certified Inspection Report

Sales Order Number	Customer P/O	Cert Number	Page
1000333567	49280541-001 / ITEM 44129	AEPI631283	1 of 2
Line No. 9.1		06-SEP-12	Cert Print Date
		06-SEP-12	06-SEP-12

Quantity Shipped	Date Shipped	Item Description
213	06-SEP-12	Drawn Tube OD X WALL
B/L	Item No.	1.500 OD x 0.125 WALL
2031340	G03289729	144 IN LN
Delivery ID	Item No. Rev	6061 / T6
7330184	--	W/F 0.635
Customer Part No		Marking CONT; Oiling N
--		AMS4082 REV P
		AMS-WW-T-700/6 REV B
		ASTMB210 REV 04
		WW-T-700/6 REV F, AM2, NOTI
		CP49-7.4.2-005 REV 7

Legal Statement	Signature And Title
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.	<i>Melissa Griffith</i> Melissa Griffith Quality Control Manager 06-SEP-12

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G17-PKG550548	16222372	28	PCS	224	213

Composition Limits

Alloy	6061	Si		Fe		Cu		Mn		Mg		Cr	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
		0.40	0.8	---	0.7	0.15	0.40	---	0.15	0.8	1.2	0.04	0.35

Mechanical Property - Test Results

Test Type		UTS - L	TYS - L	EL 4D-Long
UOM		KSI	KSI	PCT
# of Tests		--	--	--
Test Temper	Lot Number	Piece / Test ID	Results	Results
T6	16222372	1-F	46.8	43.2
				21.6

DA 14 12/10/11



Alcoa Forgings and Extrusions
Lafayette Operations
3131 East Main Street
Lafayette, IN
47905-7500

Certified Inspection Report

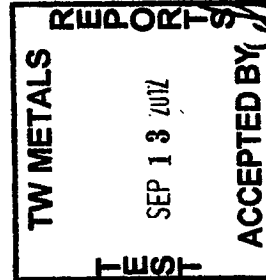
Cert Number	Page
AEP1631283	2 of 2
06-SEP-12	Cert Print Date
06-SEP-12	06-SEP-12

Sales Order Number	Customer P/O
1000333567	49280541-001 / ITEM 44129

Cert Notes

Made in USA

The test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate.
The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.



DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO18062**

Purchase Order Date 10/03/12

PO Print Date 10/03/12

Page Number 1 of 1

Order From :

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Contact Name

Vendor Phone 585 768 5600

Vendor Fax 585 768 5601

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

FAXED
10/3/12

123 289

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6T0.3125W.058 013	ALUM TUBE .3125 x .058w	10/10/12 Yes	300.00 f	Yours ppd	\$2.5000	\$750.00
		Special Inst:	MATERIAL: 6061-T6 OR 6061-T62 TUBING PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A- 225/8				
2	M6061T6T1.500W.125 016	6061T6 RD TUBE 1.50 X .125W	10/10/12 Yes	80.00 f	Yours ppd DEC 84	\$6.7000	\$536.00
		Special Inst:	MATERIAL: 6061-T6 OR 6061-T62 TUBING PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A- 225/8				

PO Total:

\$1,286.00

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

Change Nbr: 2

Change Date: 10/03/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO